sphalting and Improvements to cross roads between Babanna layout igneshwara layout, in Ward no. 12, in Shettyhalli Sub – Division.

Name of work:Asphalting and Improvements to cross roads between Babanna layout &Vigneshwara layout, in Ward no. 12, in Shettyhalli Sub – Division. Est. Amount = Rs 45.00 Lakhs

JOB NUMBER.: SI-8

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
1	Removing B.S.Slabs and stacking etc complete. (Page No. 25, I.No.5.32 of KPWD SR 2015-16)								
	Ch:340-585 Cross Roads Remove Resetting B S slab 50%	Sqm	2	150.00	1.20		360.00		
						Total Qty	360.00	63.72	22939.20
2	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No.-141 I.No-19.1 of KPWD S.R 2015-16)								
	For New Culvert	Cum	12	5.25	1.80	1.00	113.40		
	For New Drain Babanna layout								
	Ch:00-25 Cross Roads LHS And RHS		3*2	25.00	0.80	0.9	108.00		
	Ch:25 -105 Cross Roads RHS		2	80.00	0.80	0.9	115.20		
	Ch:105-205 Cross Roads RHS		2	100.00	0.80	0.9	144.00		
	Ch:205-245 Cross Roads RHS		2	40.00	0.80	0.9	57.60		
						Total Qty	538.20	178.85	96255.99
3	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1,4.2 (Page No. 12, It No. 4.2 of KPWD S.R 2015-16)								
	For New Culvert	Cum	12	5.25	1.80	0.15	17.01		
	New Drain Babanna layout								
	Ch:00-25 Cross Roads LHS And RHS		3	25.00	0.80	0.15	9.00		
	Ch:25 -105 Cross Roads RHS		2	80.00	0.80	0.15	19.20		
	Ch:105-205 Cross Roads RHS		2	100.00	0.80	0.15	24.00		
	Ch:205-245 Cross Roads RHS		2	40.00	0.80	0.15	9.60		
						Total Qty	78.81	5236.92	412721.67
4	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick (P.No.25, I.No.5.31.2 of PW, P&IWTD SR 2015-16)								
	Ch:00-75 Cross Roads LHS And RHS	Sqm	2*3	25.00	1.20		180.00		
	Ch:75 -275Cross Roads		2	200.00	1.20		480.00		
						Total Qty	660.00	663.12	437659.20
5	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.{Page No-25, Sl No-5.34 of KPWD SR 2015-16}.								
	New Drain Babanna layout								
	Ch:00-75 Cross Roads LHS And RHS	Sqm	3*2	25.00		0.20	30.00		
	Ch:75 -155 Cross Roads RHS		2	80.00		0.20	32.00		
	Ch:155-255 Cross Roads RHS		2	100.00		0.20	40.00		
	Ch:255-295 Cross Roads RHS		2	40.00		0.20	16.00		
						Total Qty	118.00	963.36	113676.48

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	Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	KSRB 5-15 : Providing and constructing non-load bearing wall with cement concrete solid blocks with compressive strength not less than 3.5 Newton per sq mm with cement mortar 1:4 (Jamb, closer blocks) with blocks of size 40x10x20cms. (lxbxh) conforming to I.S : 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.{Page No-25, Sl No-5.28 of KPWD SR 2015-16).								
	New Drain Babanna layout								
	Ch:00-25 Cross Roads LHS And RHS	Sqm	3*2	25.00		0.20	30.00		
	Ch:25 -105 Cross Roads RHS		2	80.00		0.20	32.00		
	Ch:105-205 Cross Roads RHS		2	100.00		0.20	40.00		
	Ch:205-245 Cross Roads RHS		2	40.00		0.20	16.00		
						Total Qty	118.00	743.04	87678.72
7	KSRB 5.2-3: Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. (P.No.23, I.No.5.6 of PW, P&IWTD S.R 2015-16)								
	For New Culvert	Cum	24	5.25	0.60	0.60	45.36		
	Cross Roads		24	5.25	0.45	0.40	22.68		
						Total Qty	68.04	4135.32	281367.17
8	KSRB 4-1.6 ; Providing and laying in position plain cement concrete cum of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and ciils, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Page No. 12, It No. 4.6 of KPWD S.R 2015-16)								
	Copping For Drain	Cum	2	320.00	0.10	0.10	6.4		
	Copping For Drain		2	320.00	0.15	0.10	9.60		
	Copping For SSM								
	Cross Roads		24	5.25	0.45	0.10	5.67		
						Total Qty	21.67	5490.72	118983.90
9	Refixing stone slabs of drains and pointing in C.M (1:3).(Page No.-25 I.No-5.33 of KPWD S.R 2015-16)								
	Ch:340-585 Cross Roads Remove Resetting B S slab 50%	Sqm	2	150.00	1.20		360.00		
						Total Qty	360.00	78.84	28382.40
10	Providing and laying pre-cast drain cover slab of 100mm thickness in CM1:3 including cost of all materials,labour,curing, transportation, loading, unloading etc.,as per doiirections of the Enineer-in-charge. {Data Rate sheet enclosed}								
	New Drain Babanna layout								
	Ch:00-25 Cross Roads LHS And RHS	Sqm	3*2	25.00	0.70		105.00		
	Ch:75-255 Cross Roads		2	180.00	0.70		252.00		
						Total Qty	357.00	1821.00	650097.00
11	Providing and laying Pre Cast Drain Cover slabs of 250mm thickness including cost of all materials, labour, curing, transportation,loading, unloading etc.,complete as per the direction of Engineer - In- Charge. (Data Rate enclosed)								
	For New Culvert	Sqm	12	5.25	1.50		94.50		
	Cross Roads					Total Qty	94.50	5088.00	480816.00
12	Earth work in soil with hydraulic excavator of 0.9 cu.m. bucket capacity including cutting and loading in tippers, trimming bottom and side slopes. In accordance with requirements of lines, grades and cross sections, and transporting to the embankment location and complete as per specifications. (Page No,-142, I.No.-19.14 of KPWD S.R 2015-16).								
	Babanna layout								
	Ch:00-25 Cross Roads LHS And RHS	Cum	3	25.00	4.65	0.4	139.50		
	Ch:25 -105 Cross Roads RHS		1	80.00	4.65	0.4	148.80		
	Ch:105-205 Cross Roads RHS		1	100.00	4.65	0.4	186.00		
	Ch:205-245 Cross Roads RHS		1	40.00	4.65	0.4	74.40		
						Total Qty	548.70	144.29	79170.83

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No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
13	KSRRB M400-6.1. Construction of granular sub-base of Grading II Material by providing close graded material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method (Page No,-154, I.No.-20.4.2 of KPWD S.R 2015-16)								
	Babanna layout								
	Ch:00-25 Cross Roads LHS And RHS	Cum	3	25.00	4.65	0.18	62.78		
	Ch:25 -105 Cross Roads RHS		1	80.00	4.65	0.18	66.96		
	Ch:105-205 Cross Roads RHS		1	100.00	4.65	0.18	83.70		
	Ch:205-245 Cross Roads RHS		1	40.00	4.65	0.18	33.48		
						Total Qty	246.92	1622.16	400535.64
14	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / ChapterPage no -148.Item.No 19.64 of KPWD S.R 2015-16)								
	Babanna layout								
	Ch:00-25 Cross Roads LHS And RHS	Sqm	3	25.00	4.65		348.75		
	Ch:25 -105 Cross Roads RHS		1	80.00	4.65		372.00		
	Ch:105-205 Cross Roads RHS		1	100.00	4.65		465.00		
	Ch:205-245 Cross Roads RHS		1	40.00	4.65		186.00		
						Total Qty	1371.75	4.86	6666.71
15	Providing, laying, spreading and compacting graded stone aggreate to wet mix mecadam specification including premixing the materials with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achive the desired density complete as per specifications. (Page No,-157, I.No.-20.18 of KPWD S.R 2015-16).								
	Babanna layout								
	Ch:00-25 Cross Roads LHS And RHS	Cum	3	25.00	4.65	0.225	78.47		
	Ch:25 -105 Cross Roads RHS		1	80.00	4.65	0.225	83.70		
	Ch:105-205 Cross Roads RHS		1	100.00	4.65	0.225	104.63		
	Ch:205-245 Cross Roads RHS		1	40.00	4.65	0.225	41.85		
						Total Qty	308.64	1713.96	529003.04
16	KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg I sqm using mechanical means complete as per specifications. MORTH Specification No. 502 (Page No,-160, I.No.-21.6 of KPWD S.R 2015-16).								
	Babanna layout								
	Ch:00-25 Cross Roads LHS And RHS	Sqm	3	25.00	4.65		348.75		
	Ch:25 -105 Cross Roads RHS		1	80.00	4.65		372.00		
	Ch:105-205 Cross Roads RHS		1	100.00	4.65		465.00		
	Ch:205-245 Cross Roads RHS		1	40.00	4.65		186.00		
						Total Qty	1371.75	32.40	44444.70
17	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VGIO) on the prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH Chapter 5 (Page No,160,I.No.-21.7 of KPWD S.R 2015-16)								
	Babanna layout								
	Ch:00-25 Cross Roads LHS And RHS	Sqm	3	25.00	4.65		348.75		
	Ch:25 -105 Cross Roads RHS		1	80.00	4.65		372.00		
	Ch:105-205 Cross Roads RHS		1	100.00	4.65		465.00		
	Ch:205-245 Cross Roads RHS		1	40.00	4.65		186.00		
						Total Qty	1371.75	15.12	20740.86

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	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
8	KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % VG-30 Bitumen using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509.(Page No-164 Item no - 21.22.6 of KPWD SR 2015-16)..								
	Babanna layout								
	Ch:00-75 Cross Roads LHS And RHS	Cum	3	25.00	4.65	0.04	13.95		
	Ch:75-155 Cross Roads RHS		1	80.00	4.65	0.04	14.88		
	Ch:155-255 Cross Roads RHS		1	100.00	4.65	0.04	18.60		
	Ch:255-295 Cross Roads RHS		1	40.00	4.65	0.04	7.44		
						Total Qty	54.87	9901.17	543277.20
19	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface - Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sq.m. area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC :35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. (Page No,-181, I.No.-24.15 of KPWD S.R 2015-16).								
	Edge Lane	Sqm	2	300.00	0.15		90.00		
						Total Qty	90.00	473.04	42573.60
20							Total Constrution cost		43,96,990.30
21							Design Report,Proof Checking & PMC Amount		87,939.81
22							Sub Total		44,84,930.11
							Miscellaneous & Rounding Off		15,069.89
							Grand Total		45,00,000.00

Certificate:-

1. The workspot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2015-16
4. The provisions made in the estimate are necessary and essential.

SRI SAI CONSULTANTS

Consultants
For Sri Sai Consultants

Assistant Engineer
Ward No.12
BBMP - Bangalore

Assistant Executive Engineer
Shettyhalli Sub-Division
BBMP - Bangalore

Executive Engineer
Dasarshalli
BBMP - Bangalore

ನಂ.CE/02/TS/81/15-16 ದಿನಾಂಕ: 25.01.2016
ರೂ.45,00,000 (ನಲವತ್ತ ಐದು ಲಕ್ಷ ರುಗಳಿಗೆ)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ.CE/02/AS/89/15-16 ದಿನಾಂಕ: 25.01.2016
ರೂ.45,00,000 (ನಲವತ್ತ ಐದು ಲಕ್ಷ ರುಗಳಿಗೆ)
ಗಳ
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ
ದಾಸರಹಳ್ಳಿ ವಲ

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